Python: module browser.gui_defined_variables

browser.gui_defined_variables index

```
# The PCMDI Data Browser Defined Variables Panel -  gui_defined_variables module
#
#############################################################################
#                                                                           #
# Module:       gui_defined_variables module                                #
#                                                                           #
# Copyright:    "See file Legal.htm for copyright information."             #
#                                                                           #
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#                                                                           #
# Description:  PCMDI Software System browser Tkinter "Defined Variables"   #
#               panel GUI.                                                  #
#                                                                           #
# Version:      4.0                                                         #
#                                                                           #
#############################################################################
#
#---------------------------------------------------------------------
# NOTE: need to use version of Python that imports Tkinter and Pmw
#---------------------------------------------------------------------
```

Modules

cdms.MV	browser.gui_alter_variable	browser.gui_message	string
Numeric	gui_support.gui_color	browser.gui_output	sys
Tkinter	browser.gui_control	browser.gui_reset	time
__main__	browser.gui_expression	browser.gui_user_menus	tkFileDialog
cdms	browser.gui_functions	browser.gui_writenetcdf	types
genutil	browser.gui_menu	os	browser.vcs_function

Classes

create
update_defined

class ***create***

```
    #-------------------------------------------------------------------
    #
```

```
# Start of the "Defined Variables" panel GUI Layout
#
#-----------------------------------------------------------------
# Start the Tkinter/Pmw GUI layout. The layout is listed from top t
# Starting with: the menu bar; followed by the "Select Variable" pa
# allows the user to select data from a directory or a database; fo
# the "Graphics Control" panel, which allows the user to plot the s
# defined variables; followed by the "Dimension" panel, which allow
# select subsets of the selected variable before plotting or storin
# followed by the "Defined Variables" panel, which allows the user
# variables that are stored in memory; and finally followed by the
# Information" scroll window, which displays variable information.
#
# All panels are contained within a paned widget. Thus, allowing th
# each section to expand or constrict.
#
#-----------------------------------------------------------------
# Begin the creation of "Defined Variables" panel
#-----------------------------------------------------------------
```

Methods defined here:

__init__(self, parent)

alterpaneDV(self, parent, event=None)

```
    ## Function to resize the scrolled box when the panel changes
```

copy_graphics_method(self, parent)

```
    ####### event to copy the graphics method
```

copy_template(self, parent)

```
    ####### event to copy template
```

edit_graphics_method(self, parent)

```
    ####### event to edit the graphics method
```

edit_template(self, parent)

```
    ####### event to bring up the template editor
```

evt_call_gui_alter_variable(self, parent, event)

```
    ####### event to call the gui_alter_variable popup
```

evt_call_gui_writenetcdf(self, parent, event)

```
    ####### event to call the writenetCDF popup
```

evt_change_command_color(self, parent, event)

```
    ####### event to change the command line expression color
```

evt_compute_command(self, parent, event)

```
    ####### event to call the command line calculator expression
```

evt_dispose_defined_variables(self, parent, event)

```
      ####### event to dispose of unwanted variables
```

evt_dispose_execute(self, parent, var_names, result)

evt_do_operation(self, parent, type, event)

evt_expression_widget(self, parent, event)

evt_info_on_defined(self, parent, event)

```
      ####### event to return information on the defined variables
```

evt_log_on_defined(self, parent, event)

```
      ####### event to return information on the defined variables
```

evt_remove_all_defined(self, parent, event)

```
      ####### event to remove all the defined
```

evt_remove_selected_defined(self, parent, var_name, event)

```
      ####### event to remove the selected defined
```

evt_select_graphics_method(self, gm_name, parent)

```
      ####### event to select the graphics method
```

evt_selected_defined_variable(self, parent, event)

evt_selected_defined_variable2(self, parent, event)

evt_selected_defined_variable3(self, parent, control_key=0)

evt_selected_trash_variable(self, parent)

evt_set_mode_operation(self, parent, event)

evt_show_defined_variables_tools(self, parent, event)

```
      ####### event to call the gui_alter_variable popup
```

evt_show_template_graphics_method(self, parent, event)

```
      ####### event to call the gui_alter_variable popup
```

evt_toggle_DV_selection_mode(self, parent)

```
      #-------------------------------------------------------------
      # event functions associated with the "Defined Variable" pane
      #-------------------------------------------------------------
      #
      ####### event to toggle the Defined Variable window selection
```

mode_1_operation(self, parent, type, event)

mode_2_operation(self, parent, type, event)

redisplay_graphics_method(self, parent)

```
        ####### event to redisplay the graphics method list
```

redisplay_template(self, parent)
```
        ####### event to redisplay the template list
```

remove_graphics_method(self, parent)
```
        ####### event to remove the graphics method
```

remove_template(self, parent)
```
        ####### event to remove template
```

rename_graphics_method(self, parent)
```
        ####### event to rename the graphics method
```

rename_template(self, parent)
```
        ####### event to rename template
```

return_trash_can_list(self, parent)

script_graphics_method(self, parent)
```
        ####### event to script the graphics method
```

script_template(self, parent)
```
        ####### event to save template to a script file
```

select_gm(self)
```
        ####### event to select the desired graphics method
```

select_template(self)
```
        ####### event to select the desired template
```

update_page_layout(self, parent, remove_list)
```
        ####### event to remove the selected defined
```

class ***update_defined***

Methods defined here:

__init__(parent, *args)

Functions

get_vars()
```
    # Return a list of all selected variables in the order in
    #  which they were selected
```

selected_updated(args=())
```
    #-----------------------------------------------------------------
    # In the selected panel the user will need to get all the changes
```

```
        # [ idle ] Shell window. This function will update the selected wi
        # new or removed TransientVariable (i.e., MV), MA, or Numeric arra
        #-------------------------------------------------------------------
```

update_defined_variable_list(parent)

Data

Pmw = <Pmw.Pmw_1_2.lib.PmwLoader.PmwLoader instance>
fn = '/pcmdi/halliday1/PCMDI_GRAPHICS'
graphics_method_list = ['Boxfill', 'Isofill', 'Isoline', 'Meshfill', 'Outfill', 'Outline', 'Scatter', 'Taylordiagram', 'Vector', 'XvsY', 'Xyvsy', 'Yxvsx']
trash_store = '__trashed_on__'
trash_str = '_waiting_for_user_to_dispose_of_via_trash_can'